

# NAUTILUS SERIES

**8-up violet laser CTP with the highest quality imaging at the lowest cost of operation**

**NAUTILUS** introduces the latest advances in optical technology which produces the smallest and hardest dot on the plate. The result is high quality plate imaging with the lowest operating cost in the industry. Nautilus was engineered to image all plate formats from 2 to 8-page signatures with resolutions from 1200 dpi to 2540 dpi. With a maximum format of 37.4" x 46.0" (950mm x 1170mm). The standard unit has production speeds over 18 Speedmaster 102 size plates per hour at 2400dpi. The Nautilus keeps multipress environments efficient through flexible, trouble-free performance.

- Engineered for quality with one of the smallest spot size in the industry supporting screen rulings over 200 lpi.
- Automatic spot size optimized for each resolution.
- Our violet laser technology supports traditional, low-chem, and chemistry-free violet plate technologies.

- Flexible – ECRM's patent-pending plate loading and registration system allows for support of a wide range of plate sizes.
- Nautilus employs a simple plate load sequence that will automatically register and punch plates within .001"
- High precision internal drum with vacuum-free operation.
- Available in three model configurations; manual, semi-automatic, and fully automatic.
- Bundled with CtServer Professional – ECRM's enhanced 1-bit TIFF server. Our open-ended software system accepts 1-bit TIFF files – choose the solutions you want.
- Basic electricity requirements and quick installation – no dedicated power line needed. Lowest energy consumption in the industry.
- Simple and intuitive operator interface makes training easy for everyone.

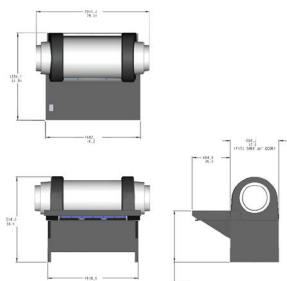


# Choose ECRM for your Violet CTP solutions

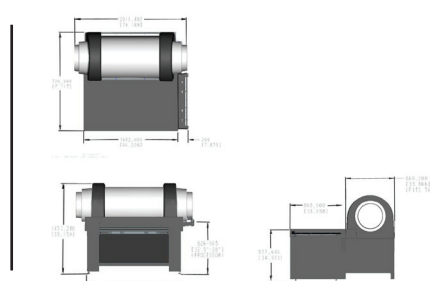
## Nautilus Specifications

Plate Sizes	Maximum: 950mm x 1170mm (37.4" x 46.06") Minimum: 510mm x 400mm (20.08" x 15.75")
Plate Thickness	0.15mm to 0.3mm (0.006" to 0.012")
Media Types	Violet-sensitive photopolymer and silver halide metal plates. See media specifications for safe-light information.
Recording Source	175 mw violet laser diode (405 nm)
Resolutions	Five resolutions from 1200 to 2540 dpi Resolutions include: 1200, 1270, 1800, 2400, and 2540dpi
Maximum Line Screen	Over 200 lpi with AM. Over 350lpi equivalent with DMS. Media dependent
Repeatability	0.025mm (0.001") typical May vary according to media type and processing conditions
Processing	Manual transfer (with M version) or Online Configuration (with SA and FA version) Plate transported automatically into the processor or COU.
Environmental	M/SA - Power: 100 - 240 Volts; 6A Max; 50/60Hz, single phase FA - 100 - 240 Volts; 10A Max; 50/60Hz, single phase, Compressed Air: 80psi (6.2 bar)
Interface	USB 2.0 High Speed. 3 meter host cable provided.
Operating Conditions	62 - 86 ° F (17 - 30 ° C); relative humidity 45 - 65%, noncondensing. Relative humidity outside of this range may affect performance. Operating conditions outside plate media specifications may affect performance.
Weight	SA - 500 kg (1100 lbs.) FA - 909 kg (2000 lbs.)
Footprint	M - Width: 201.1cm (79.2") Length: 154.5cm (61") Height: 147.6cm (58.1") SA - Width: 201.1cm (79.2") Length: 172cm (67.7") Height: 147.6cm (58.1") FA - Width: 201.1cm (79.2") Length: 292.5cm (115.2") Height: 147.6cm (58.1")
Plate Cassette Capacity (FA)	100 plates 0.3mm (0.012") gauge including slipsheets

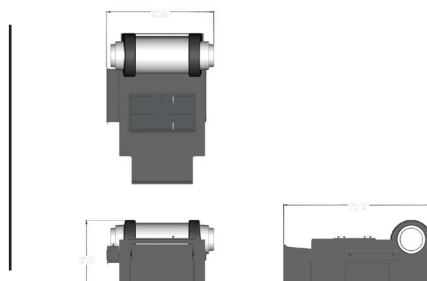
Nautilus  
Manual (M)



Nautilus  
Semi-Auto (SA)



Nautilus  
Full-Auto (FA)



**ECRM**<sup>®</sup>  
imaging systems  
www.ecrm.com

Hambleside International  
2 Lancer House  
Hussar Court, Westside View  
Waterlooville, Hampshire  
PO7 7SE

+44 (0)2392 354930  
export@hambleside.co.uk

All ECRM products carry the CE mark. All products are TUV/NRTL Certified. Class 1 Laser Products ECRM's Tewksbury facility is ISO 9001:2008 certified.

All trademarks are the property of their respective owners and their use in this documentation is acknowledged and recognized. The information provided in this document is subject to change without notice.

ML90092 rev-05